

MD 195 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

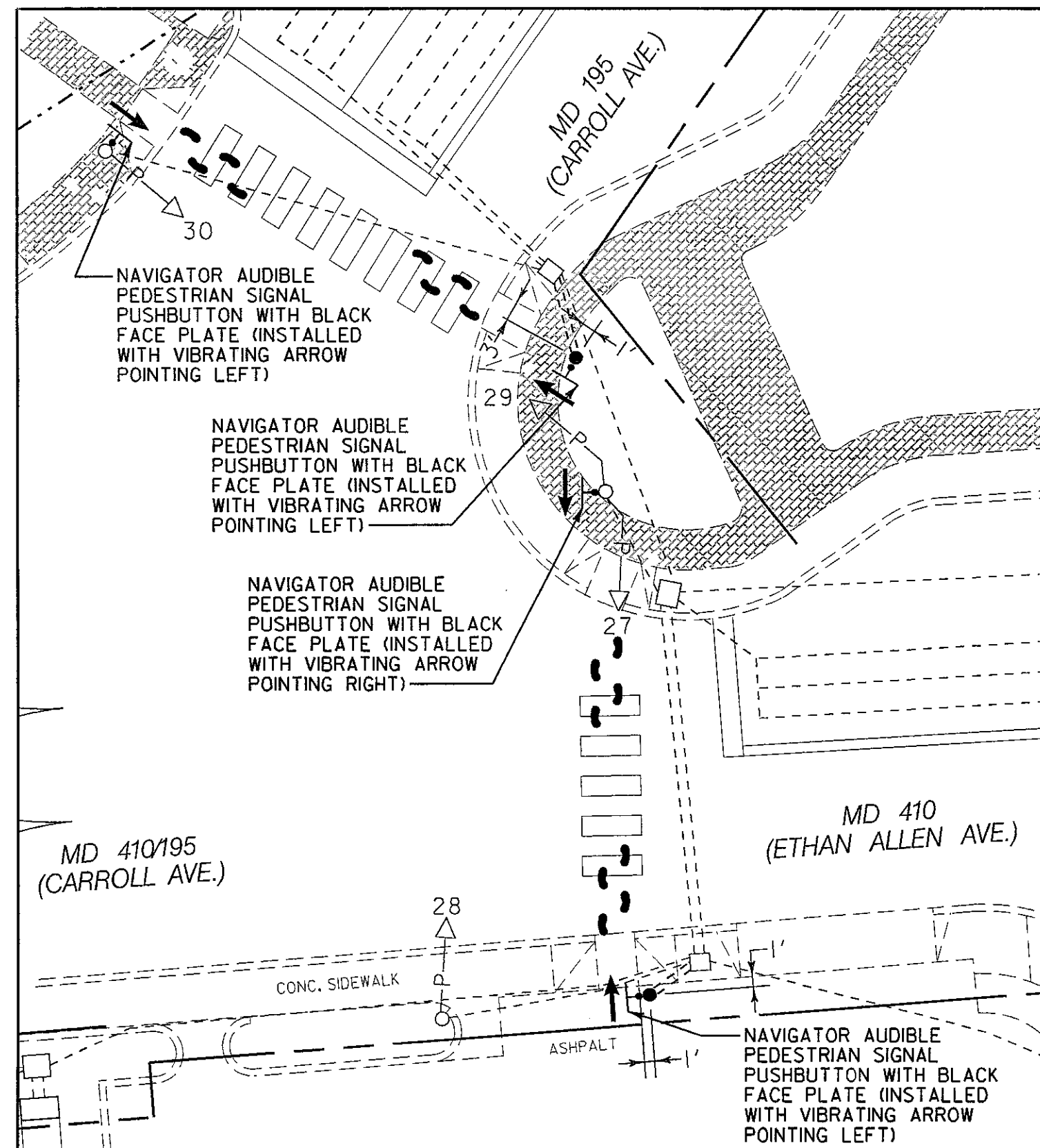
#### CONSTRUCTION DETAILS

- K. USE EXISTING CONDUIT.  
L. USE EXISTING HANDHOLE.  
O. USE EXISTING PEDESTAL POLE. REMOVE EXISTING PEDESTRIAN PUSHBUTTONS (2) AND R10-4(1) (2) SIGNS FOR CROSSING "CARROLL AVE" AND "ETHAN ALLEN AVE". INSTALL 2 WIRE NAVIGATOR AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON WITH 5 IN. x 7 IN. SIGN SIZE, BLACK FACE PLATE OPTION 'A', INSTALLED WITH VIBRATING ARROW POINTING RIGHT, BRAILLE TEXT AND R10-4(1) SIGN (SIGN TO READ "PUSHBUTTON TO CROSS ETHAN ALLEN AVENUE"). A NEW 1/2 INCH HOLE SHALL BE DRILLED INTO THE STEEL POLE FOR THE WIRING. DISCONNECT EXISTING PUSHBUTTON ELECTRICAL CABLES. REMOVE EXISTING PEDESTRIAN PUSHBUTTONS (CLEAN EXISTING DRILLED HOLES FOR WIRING WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS) AND CONNECT ELECTRICAL CABLE TO NEW AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON.  
P. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER AND INSTALL CENTRAL CONTROL UNIT IN CABINET.  
Q. REMOVE EXISTING CONCRETE SIDEWALK, INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) AND REPLACE 4 IN. CONCRETE SIDEWALK.  
R. REMOVE EXISTING BRICK PAVERS, INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) AND RESET BRICK PAVERS.

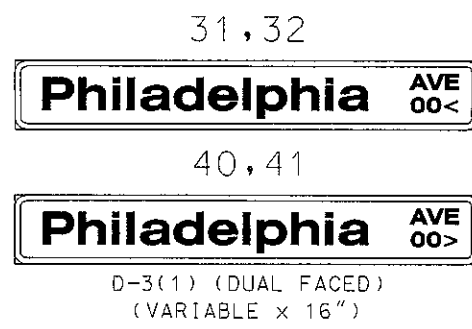
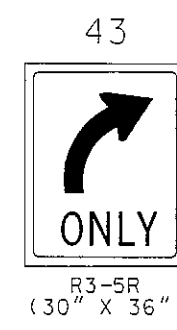
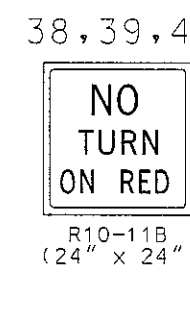
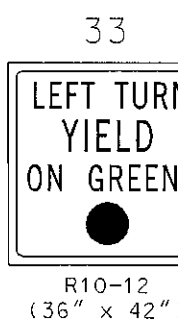
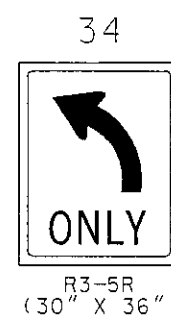
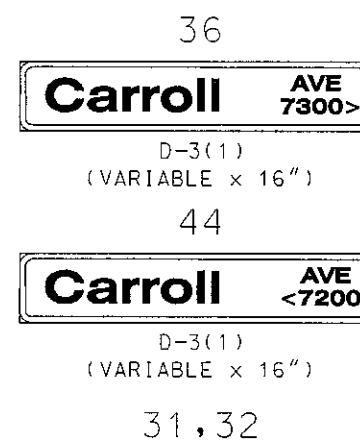
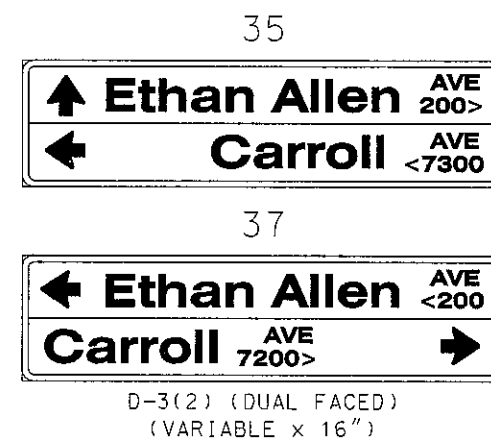
#### GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE FROM EXISTING CONDUIT.

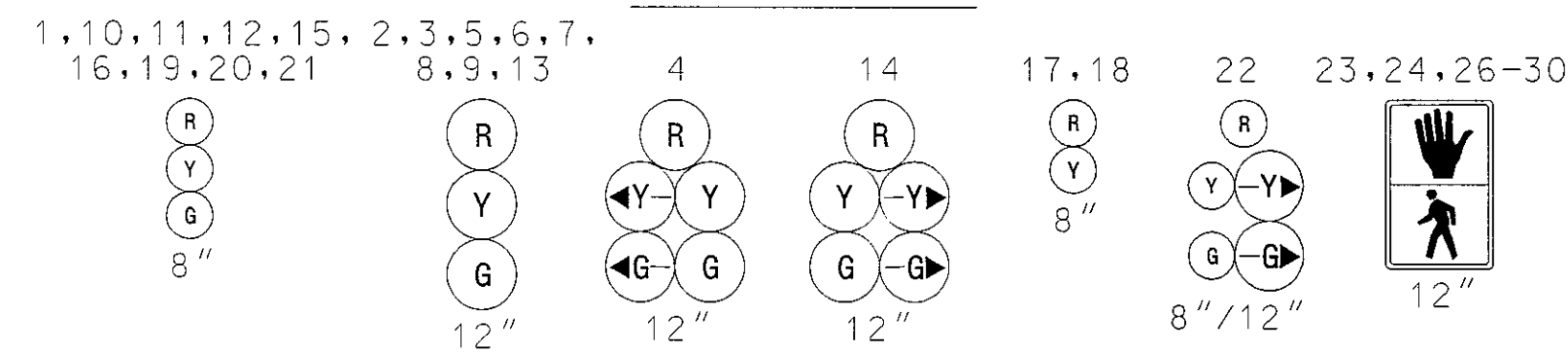
SCALE: 1" = 15'



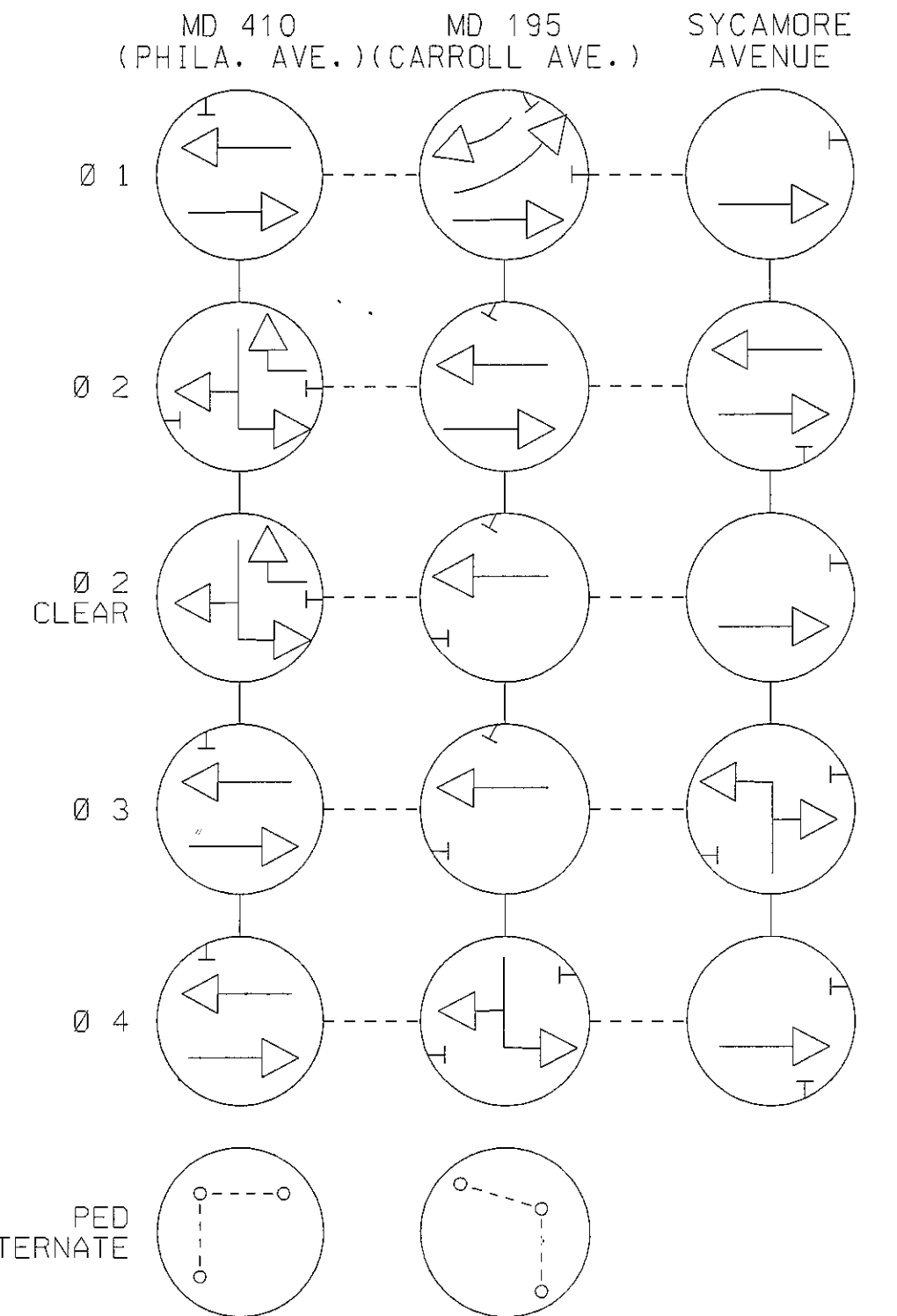
#### EXISTING SIGNS



#### EXISTING SIGNAL HEADS TO REMAIN



#### NEMA PHASING



#### PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

MATCH LINE AA - SEE SHEET TSP-01

#### CONSTRUCTION DETAILS

- S. USE EXISTING PEDESTAL POLE. REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND R10-4(1) SIGN. INSTALL 2 WIRE NAVIGATOR AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON WITH 5 IN. x 7 IN. SIGN SIZE, BLACK FACE PLATE OPTION 'A', INSTALLED WITH VIBRATING ARROW POINTING LEFT, BRAILLE TEXT AND R10-4(1) SIGN (SIGN TO READ "PUSHBUTTON TO CROSS CARROLL AVENUE"). A NEW 1/2 INCH HOLE SHALL BE DRILLED INTO THE STEEL POLE FOR THE WIRING. DISCONNECT EXISTING PUSHBUTTON ELECTRICAL CABLE. REMOVE EXISTING PEDESTRIAN PUSHBUTTON (CLEAN EXISTING DRILLED HOLE FOR WIRING WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREA) AND CONNECT ELECTRICAL CABLE TO NEW AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON.  
T. INSTALL 10 FT. (TO BE CUT JUST ABOVE PUSHBUTTON) BREAKAWAY PEDESTAL POLE WITH 2-WIRE NAVIGATOR AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON WITH 5 IN. x 7 IN. SIGN SIZE, BLACK FACE PLATE OPTION 'A', INSTALLED WITH VIBRATING ARROW POINTING LEFT, BRAILLE TEXT AND R10-4(1) SIGN (SIGN TO READ "PUSHBUTTON TO CROSS CARROLL AVENUE"). (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE.)  
U. INSTALL 10 FT. (TO BE CUT JUST ABOVE PUSHBUTTON) BREAKAWAY PEDESTAL POLE WITH 2-WIRE NAVIGATOR AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON WITH 5 IN. x 7 IN. SIGN SIZE, BLACK FACE PLATE OPTION 'A', INSTALLED WITH VIBRATING ARROW POINTING LEFT, BRAILLE TEXT AND R10-4(1) SIGN (SIGN TO READ "PUSHBUTTON TO CROSS ETHAN ALLEN AVENUE"). (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE.)  
V. USE EXISTING PEDESTAL POLE. REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND R10-4(1) SIGN AND CLEAN EXISTING DRILLED HOLE FOR WIRING WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREA.

#### LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV



Whitman, Requardt  
and Associates, LLP  
801 South Caroline Street  
Baltimore, Maryland 21231  
(410) 235-3450

REVISIONS	APPROVALS
① ADDED AUDIBLE PEDESTRIAN PUSHBUTTONS CONTRACT NO. AT8825185 4/23/05 SRB   NML	TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION
② ADDED OPTICALLY PROGRAMMED SIGNAL HEADS NOS. 6, 7 AND REPLACED LOOP DETECT. SHA NO. AT3575185 10/10/03 N.M.L.	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
③ REVISED I/C TO OVERHEAD AND CONDUIT RUNS CHANGE 7/23/79	CHECKED - TRAFFIC ENGINEERING DESIGN DIVISION
④ REVISED SIGNALS NOS. 7, 8 AND CONDUIT AT PHILADELPHIA AVENUE 5/07/79	DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
TRAFFIC SIGNALIZATION PLAN  
MD 195 (CARROLL AVE.) @ MD 410 (PHILADELPHIA AVE.)  
AND MD 410 (ETHAN ALLEN AVE.) @ MD 195 (CARROLL AVE.)/GRANT AVE./SYCAMORE AVE. (TAKOMA PARK, MD)

DRAWN BY: J. GORDON	F.A.P. NO.	TS NO.
CHECKED BY: D. ZAFRIS	S.H.A. NO.	TS-860E
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. G796
DATE: 6/30/75 JS	LOG MILE: 15019500.46	SHEET NO. 2 OF 4